

WEST Search History

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DATE: Wednesday, June 09, 2004

Hide? Set Name Query **Hit Count***DB=USPT; PLUR=YES; OP=AND*

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|--------------------------|----|--|----|
| <input type="checkbox"/> | L1 | (taylorella\$ or equigenital\$).ti,ab,clm. | 0 |
| <input type="checkbox"/> | L2 | (taylore\$ or equigenital\$).ti,ab,clm. | 0 |
| <input type="checkbox"/> | L3 | (taylore\$ or equigenital\$) | 13 |
| <input type="checkbox"/> | L4 | (taylore\$ or equigenit\$) | 13 |
| <input type="checkbox"/> | L5 | L4 not l3 | 0 |

DB=EPAB,JPAB,DWPI; PLUR=YES; OP=AND

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| <input type="checkbox"/> | L6 | (taylore\$ or equigenital\$) | 2 |
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DB=PGPB; PLUR=YES; OP=AND

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| <input type="checkbox"/> | L7 | (taylore\$ or equigenital\$) | 5 |
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END OF SEARCH HISTORY

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WEST Search History

DATE: Wednesday, June 09, 2004

| Hide? | Set Name | Query | Hit Count |
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| <input type="checkbox"/> | L1 | (taylorella\$ or equigenital\$).ti,ab,clm. | 0 |
| <input type="checkbox"/> | L2 | (taylorel\$ or equigenital\$).ti,ab,clm. | 0 |
| <input type="checkbox"/> | L3 | (taylorel\$ or equigenital\$) | 13 |
| <input type="checkbox"/> | L4 | (taylorel\$ or equigenit\$) | 13 |
| <input type="checkbox"/> | L5 | L4 not l3 | 0 |

END OF SEARCH HISTORY

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L6: Entry 1 of 2

File: EPAB

Oct 23, 1997

PUB-NO: WO009739034A1

DOCUMENT-IDENTIFIER: WO 9739034 A1

TITLE: MEANS FOR DETECTING BACTERIA OF THE TAYLORELLA EQUIGENITALIS SPECIES AND
THEIR BIOLOGICAL APPLICATIONS

PUBN-DATE: October 23, 1997

INVENTOR-INFORMATION:

NAME

COUNTRY

KLEIN, FREDERIC

FR

GRADINARU, DRAGOS

FR

INT-CL (IPC): C07 K 16/12; C07 K 16/42; C07 K 14/285; C12 N 5/06; G01 N 33/569; G01
N 33/577; A61 K 39/395

EUR-CL (EPC): C07K016/12; C07K016/42

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L6: Entry 2 of 2

File: DWPI

Oct 23, 1997

DERWENT-ACC-NO: 1997-526404

DERWENT-WEEK: 200225

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TITLE: Monoclonal antibodies, immunogens and anti-antibodies specific for
Taylorella equigenitalis - for diagnosis, treatment and prevention of contagious
equine metritis

INVENTOR: GRADINARU, D; KLEIN, F

PRIORITY-DATA: 1996FR-0004623 (April 12, 1996)

Search Selected

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PATENT-FAMILY:

| PUB-NO | PUB-DATE | LANGUAGE | PAGES | MAIN-IPC |
|---|------------------|----------|-------|-------------|
| <input type="checkbox"/> <u>WO 9739034 A1</u> | October 23, 1997 | F | 049 | C07K016/12 |
| <input type="checkbox"/> <u>US 20020037879 A1</u> | March 28, 2002 | | 000 | A61K031/665 |
| <input type="checkbox"/> <u>FR 2747387 A1</u> | October 17, 1997 | | 046 | C07K016/12 |
| <input type="checkbox"/> <u>AU 9726416 A</u> | November 7, 1997 | | 000 | C07K016/12 |
| <input type="checkbox"/> <u>AU 708879 B</u> | August 12, 1999 | | 000 | C07K014/285 |

INT-CL (IPC): A01 N 57/00; A61 K 31/665; A61 K 39/395; A61 K 48/00; C07 K 14/195;
C07 K 14/285; C07 K 16/12; C07 K 16/42; C12 N 5/06; C12 N 5/18; G01 N 33/569; G01
N 33/577

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-
- ☐ 1. [6280741](#). 19 Aug 99; 28 Aug 01. Equine treatment and method of administering such treatment. Jessup; Ed C.. 424/256.1; 424/234.1 424/93.1 435/243. A61K039/102.
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- ☐ 2. [6277577](#). 14 May 99; 21 Aug 01. Hybridization probes derived from the spacer region between the 16s and 23s rRNA genes for the detection of non-viral microorganisms. Rossau; Rudi, et al. 435/6; 435/91.2 536/23.1 536/24.1 536/24.32 536/24.33. C12Q001/68 C12P019/34 C07H021/04.
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- ☐ 3. [6225111](#). 03 Aug 95; 01 May 01. Recombinant equine herpesviruses. Cochran; Mark D., et al. 435/320.1; 536/23.2 536/23.72. C12N015/86.
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- ☐ 4. [6139846](#). 06 Jan 99; 31 Oct 00. Protein D- an IGD-binding protein of haemophilus influenzae. Forsgren; Arne. 424/256.1; 424/184.1 424/185.1 436/513 530/350. A61K039/102 A61K039/00 A61K039/38 C07K001/00 C07K014/00.
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- ☐ 5. [6025484](#). 13 Nov 97; 15 Feb 00. Protein D--an IgD-binding protein of haemophilus influenzae. Forsgren; Arne. 536/23.7; 424/256.1 435/252.3 435/320.1 436/51 536/23.1 536/23.4 536/24.32 536/24.33. C07H021/04.
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- ☐ 6. [5989828](#). 12 Nov 96; 23 Nov 99. Protein D-an IgD binding protein of Haemophilus influenzae. Forsgren; Arne. 435/7.1; 435/5 436/513 530/350 530/387.1. G01N033/53 C12Q001/70 H01R031/08 C07K001/00.
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- ☐ 8. [5891438](#). 14 Jul 95; 06 Apr 99. Method for stimulating production of variable region gene family restricted antibodies through B-cell superantigen vaccination. Silverman; Gregg J.. 424/185.1; 424/203.1 424/234.1 514/12 514/2 514/23 514/54 514/8 530/300 530/324. A61K039/00 A61K038/00 A01N037/18 A01N043/04.
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- ☐ 9. [5888517](#). 25 Sep 97; 30 Mar 99. Protein D-an IgD-binding protein of Haemophilus influenzae. Forsgren; Arne. 424/256.1; 424/184.1 424/185.1 436/513 530/350. A61K039/102 A61K039/00 C07K001/00 G01N033/563.
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- ☐ 10. [5858677](#). 05 Nov 97; 12 Jan 99. Protein D--an IgD-binding protein of haemophilus influenzae. Forsgren; Arne. 435/6; 424/256.1 435/7.32 536/23.7 536/24.3 536/24.32 536/24.33. C12Q001/68.
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- ☐ 11. [5741696](#). 17 Feb 94; 21 Apr 98. Recombinant equine herpesviruses. Cochran; Mark D., et al. 435/235.1; 435/236 435/320.1. C12N007/01 C12N007/04 C12N015/86.
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- ☐ 12. [5536638](#). 29 Mar 95; 16 Jul 96. Hybridization probes derived from the spacer region between the 16S and 23S rRNA genes for the detection of Neisseria gonorrhoeae. Rossau; Rudi, et al. 435/6; 435/91.2 536/24.32 536/24.33. C12Q001/68 C12P019/34 C07H021/04.
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| Terms | Documents |
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| (tayloreI\$ or equigenital\$) | 13 |

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L3: Entry 1 of 13

File: USPT

Aug 28, 2001

US-PAT-NO: 6280741

DOCUMENT-IDENTIFIER: US 6280741 B1

TITLE: Equine treatment and method of administering such treatment

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|--------|-------|----------|---------|
| Jessup; Ed C. | Canyon | TX | 79105 | |

APPL-NO: 09/ 377088 [PALM]

DATE FILED: August 19, 1999

INT-CL: [07] A61 K 39/102

US-CL-ISSUED: 424/256.1; 424/234.1, 424/93.1, 435/243

US-CL-CURRENT: 424/256.1; 424/234.1, 424/93.1, 435/243

FIELD-OF-SEARCH: 424/93.1, 424/234.1, 424/256.1, 424/203.1, 435/101, 435/243

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

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| | PAT-NO | ISSUE-DATE | PATENTEE-NAME | US-CL |
|--------------------------|----------------|--------------|---------------|-----------|
| <input type="checkbox"/> | <u>4701323</u> | October 1987 | Roth et al. | |
| <input type="checkbox"/> | <u>4877613</u> | October 1989 | Vedros et al. | |
| <input type="checkbox"/> | <u>4981685</u> | January 1991 | Healy | |
| <input type="checkbox"/> | <u>5456914</u> | October 1995 | Stine et al. | 424/256.1 |

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1982, Equine Medicine And Surgery, 1045-8 (R.A. Mansmann, E.S. McAllister, P.W. Pratt eds.).

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The Blood Supply of Normal and Diseased Navicular Bones, in Veterinary Radiology 276-281 (vol. 29, No. 6, 1988, B. Hertsch, H. Dammer).

The Nature of Enlarged "Vascular Channels" in the Navicular Bone of the Horse, in the Veterinary Radiology 60-64 (vol. 29, No. 2, 1988, Paul W. Poulos, DVM, PhD, Michael F. Smith, DVM).

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Treating Navicular Disease, in Veterinary Medicine 454-459 (May 1997, Mark V. Crisman, DVM, MS, Dipl. ACVIM, R. Scott Pleasant, DVM, MS, Dipl. ACVS).

Therapy for Navicular Disease, in The Compendium 1462-1466 (North American Edition, Gayle W. Trotter, DVM, MS Diplomate, ACVS).

ART-UNIT: 165

PRIMARY-EXAMINER: Graser; Jennifer E.

ATTY-AGENT-FIRM: Bracewell & Patterson LLP

ABSTRACT:

The invention is directed to a novel method for the use of vaccines to be used in the treatment and/or prevention of Navicular Disease in horses. The method comprises administration of a preparation of *Haemophilus somnus* (H. somnus) and/or *Haemophilus ovis* (H. ovis) or a combination of H. somnus and H. ovis antigen, by intramuscular injection. Vaccination with antigens specific to these bacilli will prevent onset of Navicular Disease and will prevent further degeneration of the Navicular bone and bursa in animals afflicted with the disease.

6 Claims, 0 Drawing figures

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L3: Entry 1 of 13

File: USPT

Aug 28, 2001

US-PAT-NO: 6280741

DOCUMENT-IDENTIFIER: US 6280741 B1

TITLE: Equine treatment and method of administering such treatment

DATE-ISSUED: August 28, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|--------|-------|----------|---------|
| Jessup; Ed C. | Canyon | TX | 79105 | |

US-CL-CURRENT: 424/256.1; 424/234.1, 424/93.1, 435/243

CLAIMS:

What is claimed is:

1. A method of treating a horse for navicular disease comprising:

administering to said horse an effective amount of an H. somnus vaccine, said H. somnus vaccine containing a killed bacterin of Haemophilus.

2. The method of claim 1 wherein the effective amount of an H. somnus vaccine is at least about 5.0 milliliters.

3. The method of claim 2 wherein said vaccine is administered to the horse at least six times.

4. The method of claim 2 wherein said vaccine is administered to the horse once per week.

5. The method of claim 2 wherein said vaccine is administered to the horse at least periodically.

6. The method of claims 3 to 5 wherein the administering step includes injecting said vaccine into the neck of the horse by intramuscular injection.

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L3: Entry 8 of 13

File: USPT

Apr 6, 1999

US-PAT-NO: 5891438

DOCUMENT-IDENTIFIER: US 5891438 A

TITLE: Method for stimulating production of variable region gene family restricted antibodies through B-cell superantigen vaccination

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|-----------|-------|----------|---------|
| Silverman; Gregg J. | Encinitas | CA | | |

US-CL-CURRENT: 424/185.1; 424/203.1, 424/234.1, 514/12, 514/2, 514/23, 514/54,
514/8, 530/300, 530/324

CLAIMS:

I claim:

1. A composition comprising a peptide and a microbial polysaccharide antigen or glycoprotein antigen wherein the peptide is a B cell superantigen with Fab antibody binding specificity and the amino acid sequence of SEQ. ID. No. 51.
2. A composition according to claim 1 wherein the microbial polysaccharide antigen stimulates production in vertebrates of antibodies restricted to the V.sub.H 3 family.
3. A method for stimulating the production of variable (V) region family restricted antibodies against one or more microbial polysaccharide antigens or glycoprotein antigens in a vertebrate host, the method comprising:

administering a peptide wherein the peptide is a B cell superantigen with Fab antibody binding specificity and the amino acid sequence of SEQ. ID. No. 51 concomitantly with at least one of said microbial polysaccharide antigens or glycoprotein antigens to the host, wherein said administering stimulates B cell proliferation and production by the host of variable region restricted antibodies with binding specificity for the microbial polysaccharide antigens or glycoprotein antigens.



US 20020037879A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0037879 A1**
KLEIN et al. (43) **Pub. Date: Mar. 28, 2002**

(54) **MEANS FOR DETECTING BACTERIA OF
THE TAYLORELLA EQUIGENITALIS
SPECIES AND THEIR BIOLOGICAL
APPLICATIONS**

(76) **Inventors: FREDERIC KLEIN, ALENCON (FR);
DRAGOS GRADINARU, ALENCON
(FR)**

**Correspondence Address:
BURNS DOANE SWECKER & MATHIS L L P
POST OFFICE BOX 1404
ALEXANDRIA, VA 22313-1404 (US)**

(*) **Notice:** This is a publication of a continued prosecution application (CPA) filed under 37 CFR 1.53(d).

(21) **Appl. No.: 09/155,982**

(22) **PCT Filed: Apr. 11, 1997**

(86) **PCT No.: PCT/FR97/00649**

(30) **Foreign Application Priority Data**

Apr. 12, 1996 (FR)..... 96 04623

Publication Classification

(51) **Int. Cl.⁷ A61K 31/665; A01N 57/00**

(52) **U.S. Cl. 514/100**

(57) **ABSTRACT**

The invention concerns monoclonal antibodies and their biological applications. These monoclonal antibodies are characterised by the fact that they recognize an epitope of a bacterium of the *T. equigenitalis* species.